SET 27

(Run time Polymorphism, Protected Inheritance, Packages)

1. Write a program to find area of a circle, triangle, rectangle, where all the classes are inherited in multilevel manner and all the classes have same function name findArea() with the same signature.

2. Write a program to create a multilevel inheritance for the classes called One, Two, Three where each classes is having same member function getData() and findProcess with same signature. Where for the class one find the sum of two numbers, for class two biggest of two numbers and for class three find gcd of two numbers.

3. Write a program to inherit 3 classes in multilevel inheritance and get the biggest of three data members in three classes. All the data members should be protected.

4. Write a program to inherit 5 classes in multilevel scenario and add all the 5 protected data members in array by using a method getArray() in derive class and return the array to main class and pass the array from main to derive class in another method getCount() and count number of positive, negative and zero element in array in derive class.

5. Write a program to create the package & to use it for all arithmetic operation. Import the package & using them.
6. Write a program to create a package to find area of different entities like triangle, circle, rectangle & square. Import the package & using them

7. Write a program to create a package where it have some classes like reverse, binary to decimal and decimal to binary and it have a respective functions and use the package by importing it.

8. Write a program to create a package which contains some classes like sort having two methods like ascending & descending and another class rotate it contains two functions fromTop() and fromeBottom().Import the package &use them.

9. Write a program to create one package which contains some classes like Addition, Subtraction & Multiplication for matrix. Import the package & using them

10. Write a program to create a package which contains two classes like principal and secondary. Both contains two functions like getAbove() and getBelow() elements. Import the package &use them

*****